

Records of Orthoptera from the Vicinity of Brownsville, Texas.

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Although the Orthoptera of the Brownsville region have been well examined and reported on at length by Caudell,* the following records may add desirable information regarding the occurrence of certain species not included in that paper, and, taken with the work mentioned above, give a comprehensive summary of the Orthoptera of that region. Three species are here added to the fauna of the United States and nineteen are additional to Caudell's paper, in which forty-six were recorded.

The material collected by Mr. Schaeffer is in the collection of the Brooklyn Institute of Arts and Sciences and that obtained by Prof. Snow in the cabinet of the University of Kansas. The author wishes to thank both of these gentlemen for the privilege of examining the material from these institutions.

FORFICULIDAE.

Spongiphora apicidentata Caudell.

Isabel, August 5. (Schaeffer.) 1 ♂.

Apterygida linearis (Eschscholtz).

Brownsville, June. (Snow.) 1 ♀.

BLATTIDAE.

Pseudomops oblongata (Linnaeus).

Brownsville, June. (Snow.) 1 ♀.

This specimen represents true *oblongata*, agreeing fully with individuals of this species from Morelos, Mexico, and Costa Rica.

This record is the first of the species within the United States.

Chorisoneura texensis Saussure and Zehntner.

Brownsville, July. (Snow.) 1 ♂.

Pycnoscelus surinamensis (Linnaeus).

Brownsville, June. (Snow.) 1 ♀, 1 nymph.

* Bull. Brooklyn Inst. Arts and Sciences, I, No. 4, pp. 105-116, pl. vi-vii, 1904.

Homoeogamia bolliana Saussure.

Brownsville, June. (Snow.) 1 ♂.

This specimen is more infuscate than usual in central Texan specimens, but it is not the extreme dark form to which Caudell has applied the name *nigricans* (l. c. p. 107).

Latindia schwarzi Caudell.

Brownsville, June. (Snow.) 1 ♂.

This specimen is slightly smaller than Caudell's original measurements, the tegmina being 5.5 instead of 7 to 8 millimetres in length.

MANTIDAE.

Stagmomantis carolina (Linnaeus).

Brownsville, June. (Snow.) 1 ♂.

Bactromantis virga Scudder.

Brownsville, June. (Snow.) 1 ♀.

Theoclytes chlorophaea (Blanchard).

Brownsville, June. (Snow.) 1 immature individual.

This specimen has been compared with an adult from Mexico.

PHASMIDAE.

Diapheromera persimilis Caudell.

Brownsville, June. (Snow.) 1 ♀.

As far as can be determined from the female sex this specimen appears to belong to Caudell's species.

ACRIDIDAE.

Apotettix brevipennis Hancock.

Esperanza Ranch, Brownsville, Aug. 13. (Schaeffer.) 1 ♀.

This species was described from Paige, Texas.

Paratettix texanus Hancock.

Brownsville, June. (Snow.) 1 ♂, 1 ♀. Esperanza Ranch, Brownsville, July. (Schaeffer.) 1 ♀.

Orphulella picturata Scudder.

Brownsville, June. (Snow.) 1 ♂, 1 ♀.

These specimens are not as highly colored as Galveston individuals.

Opeia pallida Bruner.

Brownsville, June. (Snow.) 1 ♂, 1 ♀.

These specimens appear to belong to this species, which was

described from Montelovez, Coahuila, Mexico. The lateral carinae of the pronotum are slightly converging cephalad as described by Bruner.

Chortophaga viridifasciata (De Geer).

Brownsville, June. (Snow.) 1 ♂.

Encoptolophus fuliginosus Bruner.

Esperanza Ranch, Brownsville, May and August 1st. (Schaeffer.) 2 ♂.

These specimens are referred to this species with a little uncertainty, but almost entirely on account of the distance between the type locality (Colonia Garcia, Chihuahua, Mexico) and that given above. In structure these specimens appear to fully agree with the original description and tally thoroughly in the dimensions.

Encoptolophus texensis Bruner.

Brownsville, June. (Snow.) 1 ♂. Esperanza Ranch, Brownsville, August 17th. (Schaeffer.) 1 ♀.

These specimens appear to be quite typical, except that the two females vary in the length of the tegmina and of the caudal femora.

Spharagemon cristatum Scudder.

Brownsville, June. (Snow.) 1 ♀. Esperanza Ranch, Brownsville, June. (Schaeffer.) 1 ♀.

The Esperanza Ranch individual has the pronotal crest higher caudad than in the other specimen, the same portion being bulbous dorsad. The Brownsville specimen has this region more rugose and with the arch lower as well as the caudad angle of the pronotum less produced though acute.

Tomonotus aztecus (Saussure).

Brownsville, June. (Snow.) 1 ♂, 1 ♀.

These specimens have been compared with Mexican specimens.

Mestobregma texanum (Saussure).

Brownsville, June. (Snow.) 1 ♂, 1 ♀. Esperanza Ranch, Brownsville, June 25th and August 3d. (Schaeffer.) 1 ♂, 1 ♀.

Schistocerca alutacea (Harris).

Between Alice and Brownsville, July. (Schaeffer.) 1 ♂.

Schistocerca obscura (Fabricius).

Brownsville, June. (Snow.) 1 ♂.

TETTIGONIDAE.

Orchelimum vulgare Harris.

Brownsville, June. (Snow.) 1 ♀.

Xiphidion fasciatum (De Geer).

Brownsville, June. (Snow.) 1 ♂, 2 ♀.

Stipator sp.

Brownsville, June. (Snow.) 1 ♂, 1 ♀.

GRYLLIDAE.

Gryllotalpa borealis Burm.

Esperanza Ranch, Brownsville, May 25th. (Schaeffer.) 1 ♂.

This specimen is one of the long-winged type (*columbia*).

Ellipes minuta (Scudder).

Brownsville, June. (Snow.) 1 ♀.

Nemobius neomexicanus Scudder.

Brownsville, June. (Snow.) 1 ♂, 1 ♀.

Nemobius sp.

Brownsville, June. (Snow.) 1 ♂.

Gryllus luctuosus Serville.

Brownsville, June. (Snow.) 1 ♂.

This individual belongs to the form *abbreviatus*.

Anaxipha exigua (Say).

Brownsville, June. (Snow.) 1 ♂.

Oecanthus quadripunctatus Beutenmüller.

Brownsville, June. (Snow.) 1 ♂, 1 ♀. Esperanza Ranch,
Brownsville, August 18th. (Schaeffer.) 1 ♀.

Oecanthus pini Beutenmüller.

Brownsville, June. (Snow.) 1 ♀.